

138-1

INVOICE CHECK LIST

MULTRA Subproject

At Date of Original Authorization	Period Covered	Time Extended To	Allotment Number	Amount of Obligation
Oct 61	one year		2125-1896-34100	6,14.22

Additional Authorizations	Period Covered	Time Extended To	Allotment Number	Amount of Obligation
#2	one year		2125-1896-34100	17,309.76

Invoice Number	Date	Amount	Balance
1	Oct 61	18,614.22	— 0 —
2 with #2	6 Sept 62	17,309.76	17,309.76
Inv #2	2 Oct 62	17,309.76	- 0 -
REMARKS:			

TSD/BYE COPY

DATE - VOUCHER NO. 2-12

SUBMITTED BY

MEMTRA, Sub-project 138

600009 JAN 10 1962

# ACCOUNTING BY INDIVIDUAL FOR ADVANCE

NOTE: Follow Instructions on Reverse

1. CASH ON HAND BEGINNING OF PERIOD

2. OUTSTANDING ADVANCES BEGINNING OF PERIOD

3. RECEIPTS THIS PERIOD:

RECEIPT NUMBER

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DESCRIPTION

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FROM

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DESCRIPTION

Expense - See attached

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138-3

3 NOV 1964

MEMORANDUM FOR: Chief, Covert Claims Branch

SUBJECT : MKULTRA Subproject 138

Attached is a certification from Chief, Biological Branch,  
for MKULTRA Subproject 138 Invoice 2 and should be recorded in  
account 760.

A [REDACTED]  
Chief, TSD/Support

CERTIFICATION

I certify that the outstanding balance of MKULTRA Sub-project 138, Invoice 1 has been expended for the purchase of equipment. This office is in receipt of a letter from the grantee which states that the equipment will be paid for with these funds. I have personally contacted the grantee and he states the equipment was delivered and paid for and that the equipment was used in the research authorized by Sub-project 138 Invoice 2. This research was completed in August 1964. All funds for Invoice 2 have been accounted for.

The letter referred to above is on file in the project file in TSD, where it will be made available for review by the specially designated certifying officer.

A

C/TSD/BB

SIDNEY GOTTLIEB  
DC/TSD

RECEIVED JAN 10 1965

October 15, 1964

Dear [REDACTED]

Per your letter to [REDACTED] dated October 8, 1964, we are submitting a financial statement of the grant made to [REDACTED] in the amount of \$16,644.00 for medical research under the direction of [REDACTED]

Should you desire further information, please permit me to assist you.

Yours very truly,

Auditor

Enclosure

cc: [REDACTED]

as of August 31, 1964

Research Grants

For Direction of

Grant Received November 1964

\$16,444.00

Research Expenditures

Salaries	\$ 3,288.23
Fellowships	8,000.00
Supplies	1,476.04
Equipment	1,559.53
Other Costs	235.58

Total Expenditures \$14,599.38

Overhead 14% 2,044.00

Total Expenditures and  
Overhead

16,643.38

Balance of Grant at August 31, 1964

\$ 0.62

October 14, 1964

Auditor

cc

I certify that services or materials have been  
satisfactorily received for the expenditures  
were incurred on official business.

INV 2

Dated

138-5

Date 5 September 1963

Branch BB Category BEHAVIORAL ACTIVITIES SUPPORT  
Physiological Indicators (Vib)  
(formerly Va)

Project Title	Biophysical Measurements	Item Classification	None
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Project Crypto           MKULTRA           Crypto Classification           None          

Branch Project No. R-46 Project Engineer \_\_\_\_\_

Contractor

Contract No. MKULTRA 138 Task No. N.A.

Type of Contract MKULTRA Date Initiated September 1961

Cost \$17,500.00 Completion Date September 1962

Purpose: The goal of this project is

Status: A number of materials are being considered for application to the skin of individuals. Suitable fibers and their properties are presently being investigated from the point of view of the above application.

Requirement: Internally generated in TSD.

138-6

Date 21 February 1963

Branch EB Category Physiological Indicators (Va)

Project Title Biophysical Measurements Item Classification None

Project Crypto MKULTRA Crypto Classification None

Branch Project No. R-46

Project Engineer

Contractor

Contract No. MKULTRA # 138

Task No.

N.A.

Type of Contract

R&D

Date Initiated

September 1961

Cost \$17,500.00

Completion Date

September 1962

Purpose:

Status: A number of materials are being considered for application to the skin of individuals. Suitable fibers and their properties are presently being investigated from the point of view of the above application.

REQUIREMENT SOURCE: Internally generated in TSD.



COPY

January 21, 1963

Attention: [REDACTED] C

Gentlemen:

Enclosed please find a report on "Grant for Research of Phenomena for Bio-Medical Instrumentation".

You will note that there is \$1,858.00 for "Encumbrance Outstanding for Equipment". This equipment has not been delivered. As soon as delivery is made and payment is issued, we will be in a position to refund you the unexpended balance of this grant.

Very truly yours,  
Original signed by [REDACTED] C

Enc. C

cc: [REDACTED] B

Attention: [REDACTED] C

I have examined and approved the submitted expenditures. A [REDACTED]

Chief  
TSD/Biological Branch

Grant for Research of Phenomena for Bio-Medical Instrumentation

## Checks received as follows:

December, 1961	\$ 8,949.00	273
February, 1962	4,474.50	287
May, 1962	4,474.50	289

Total Grant Received

\$17,898.00

## Expenditures and Other Charges:

Salaries and Wages	\$ 2,821.97
Fellowships	6,000.00
Materials and Supplies	1,298.02
Other Costs	285.52
Equipment	3,367.30
Encumbrance Outstanding for Equipment	<u>1,858.00</u>

Total Expenditures and Other Charges

15,630.81

Overhead 14% of Costs

2,188.31

Total

17,819.12

Free Balance as of January 11, 1963

\$ 78.68

January 21, 1963

I have examined and approved the submitted expenditures.

**A** [Redacted Signature]

Chief  
TSD/Biological Branch

138-8

138

October 19, 1962

[REDACTED] C  
[REDACTED] B  
Dear Sir:

This note is to inform you that favorable action has recently been taken by [REDACTED] B in the matter of the continuation of [REDACTED] C studies at [REDACTED] C. We have at the request of [REDACTED] C, approved a grant in the amount of \$16,644.00 for this purpose. C

In connection with this matter, [REDACTED] C very kindly furnished us with various documents relating to budgetary and administrative requirements of the grantee and [REDACTED] C. It is the general policy of [REDACTED] B not to interfere in any way with the policies of the institutions with which it deals. We are therefore in agreement with the provisions of the "Statement of Policy" of [REDACTED] C organization as it applies to matters of salary, travel reimbursement, budget categories and the like. Furthermore, we specifically agree that [REDACTED] C stipend of \$6,000.00 should be in the form of a fellowship grant for research and study in the pursuit of the Doctor of Philosophy Degree. C

I am forwarding our check in the amount of \$16,644.00 to [REDACTED] C with the understanding that this amount will complete the present phase of [REDACTED] C program.

With best wishes for success in this important area of biomedical research we remain

Sincerely yours,

[REDACTED] C  
cc and check to: [REDACTED] C  
[REDACTED] C

6 September 1962

MEMORANDUM FOR: THE RECORD

SUBJECT : Project MKULTRA, Subproject 138

1. The purpose of this subproject is to continue the work of [redacted] at [redacted] [redacted] is an accomplished innovator in many fields of instrumentation and has made some fundamental contributions to various kinds of measuring devices. He will work under the direction of [redacted] in this project.

2. As is indicated in the attached proposal and interim report, work will begin with an attempt to evaluate the possibility of altering the properties of the various interfaces (space-human tissue, etc.) involved in biological systems of interest in ways that will facilitate remote polygraph type measurement by the use of various forms of incident radiant energy as is being studied in other current research projects. Information made available in this study will be of interest in connection with the problem of body antennas, personnel tagging, polygraphy and other areas. It should be emphasized that this particular approach, as far as is known, has never been explored. For this reason it is not presently possible to go into great detail as to the exact experimental lines to be followed.

3. [redacted] shall function as cover and cut-out for this project. As indicated in the attached proposal, the cost of the program for one year will be \$16,644.00. To this must be added \$665.76 which represents the service charge due the cut-out. The total cost of th

project for one year will therefore not exceed \$17,309.76. Charges should be made against Allotment No. 3125-1390-3902.

4. Title to the equipment purchased shall remain with [REDACTED] *B*

*B* [REDACTED] in lieu of higher overhead costs.

5. Documentation and accounting for travel expenses under this project which are reimbursable by [REDACTED] will conform to the accepted practices of that Institution. *B*

6. This project will operate on an unwitting basis. There are no cleared individuals beyond [REDACTED] *B*

*A* [REDACTED]  
Chief  
TSD/Biological Branch

00 00 138-9

PROPOSAL

The investigation will be of an exploratory nature, examining recognized, but not well understood, properties or characteristics of materials and phenomena which could perform useful functions in miniature bio-medical sensors. The project is expected at least to begin with the study of extremely fine fibers or micro-filaments. These filaments afford many properties of conceivable applicability to the sensing of dynamic parameters of biological systems at the cellular and organic levels.

Some filaments are known to possess very great unit strength compared to the same materials in greater bulk. Due to their fine dimension, very great lengths of the filaments can occupy small space and have small weight. Their fine dimension should enable filaments to faithfully transmit mechanical stress or pressure pulses of even high frequency with a minimum of distortion. Micro-filaments can penetrate tissue without surgery and with a minimum of biological damage.

Some fibers are electrical conductors, while others are insulators. Some transmit light, while others are opaque. The surface of filaments can be coated with conductive, semiconductive, or insulating films, or with films which can radiate or respond to heat, light, pressure, etc.

These are but a few of the properties which characterize micro-filaments, properties which are apparent or can be surmised. Compared to study of characteristics of materials of larger dimension, relatively little effort has been expended on examining recognized properties or looking for new properties or useful interrelations between properties of materials in very small dimension.

The object of this investigation will be to examine such properties of materials individually and in combination in the context of bio-medical applicability.

The investigation will be performed primarily in the laboratories

B of [REDACTED] The laboratory facilities include modern oscillographic and other electronic instruments as well as adequate machine shop facilities for construction and modification of experimental apparatus.

The instruments and facilities of adjacent scientific laboratories will also be available as needed. There are available instruments for a wide range of mechanical, electrical, and optical measurements including electron microscopy. Vapor coating at high vacuum may also be performed on the campus. For analysis and computation, the [REDACTED] B [REDACTED] is equipped with modern digital and analog computers.

B [REDACTED] is also noted for its work in the areas of medical and life sciences. The staff of departments in these areas can offer consultation and stimulation in areas of mutual interest.

## BUDGET

## I. PERSONNEL

Principal Investigator	-0-
Other	\$ 9,200.00

II. SUPPLIES AND SERVICES	4,500.00
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III. TRAVEL AND COMMUNICATION	600.00
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IV. INCIDENTAL EXPENSES	300.00
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V. OVERHEAD @ 14%	2,044.00
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TOTAL	\$16,644.00
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## INTERIM REPORT\*

Project: [REDACTED]

The initial months under [REDACTED]

Grant have been devoted to preparation for and the beginning of experimental work relating to microscopic quartz filaments and their utilization in minute bio-medical sensors.

During the first months of the grant period, a literature search was conducted to establish the location of source material historically or currently related to fibers of quartz and other materials and to miniature sensors which have found application in clinical medicine and research physiology. Selected references from the extensive bibliography were selected for detailed study. The primary emphasis was on the available technology of fibers and microcapillaries, microscopy, high vacuum, and vacuum deposition techniques. A technique for producing fine filaments of glass was mastered using simple equipment which was available. These glass filaments were used to anticipate the specific needs for fabricating, handling, and observing instruments so that tentative requirements for these necessary research tools could be established.

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\* The Interim Report is prepared for submission with the application for continuation of the research grant. The detailed terminal report for the work of the year 1961-1962 will be submitted in October, 1962.

As the grant funds became available for expenditure at years end, it was possible to order components for the vacuum deposition system which will perform a central role in the experimental study. The assembly of the components into a deposition system is substantially complete. High-temperature oxy-hydrogen equipment has allowed the drawing of fine filaments of quartz to sub-micron size. Preliminary techniques for forming and handling the extremely fine fibers have been utilized to obtain the filamentary materials of the type which will be used in the study. Experience gained in handling and viewing these fibers with microscopic equipment obtained on temporary loan has established the specific requirements for this instrument.

While work with the actual materials of the investigation has only recently begun, it is anticipated that vacuum deposition of materials with useful properties onto the microscopic quartz fibers will be attempted by mid-summer.



138-11

Date: 6 September 1962

MEMORANDUM FOR: C/TSD/FASS

SUBJECT: MULTRA, Subproject No. 138  
Authorization #2

Under the authority granted in the memorandum dated 13 April 1953, from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 138 has been approved and \$17,309.76 of the over-all project MULTRA funds have been obligated to cover the subproject's expenses and should be charged to cost center 3125-1390-3902

Concur:

Asst. Chief, TSD for [redacted] A

Concur:

APPROVED FOR OBLIGATION OF FUNDS

I CERTIFY THAT FUNDS ARE AVAILABLE  
OBLIGATION REFERENCE NO. 540  
CHARGE TO ACCOUNT NO. 3125-1390-3902

ADMINISTRATING OFFICER

Date:

Distribution:  
Orig & 1 - Addressee  
2 - TSD/FASS

B Blatigny  
Ya

[redacted]

[illegible]

138-13

I hereby acknowledge receipt of the following:

E  
B Treasurer's Check No. 194471, dated October 11, 1962, drawn on [REDACTED] payable to [REDACTED] in the amount of \$16,644.00.

E  
B Treasurer's Check No. Y400157, dated October 11, 1962, drawn on [REDACTED] payable to [REDACTED] in the amount of \$665.76.

C [REDACTED]  
Date: 10/23/1962

138-14

November 28, 1962

B  
Dear [REDACTED] C

On behalf of [REDACTED] B I write to  
thank [REDACTED] B  
for the check in the amount of \$16,644.00 representing  
a grant for research under the direction of [REDACTED] C

C [REDACTED] We are indeed pleased to receive  
this generous support for the program of biomedical  
research being carried on by [REDACTED] and C  
appreciate very much the interest of [REDACTED] B

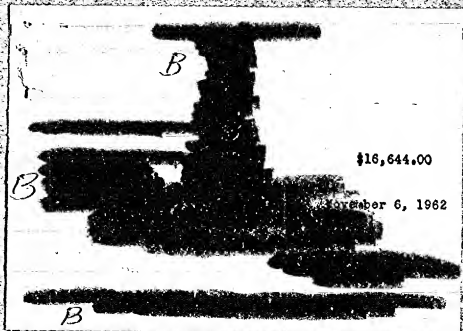
B [REDACTED] in this program.

Enclosed is an official receipt for this check.

Sincerely yours,

C [REDACTED]

[REDACTED]  
C





[illegible]

138-6

Date 6 September 1962

MEMORANDUM FOR: C/TSD/FASS

SUBJECT MKULTRA, Subproject No. 138  
Authorization #2

Under the authority granted in the memorandum dated 13 April 1963, from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 138 has been approved, and \$17,309.76 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to cost center 3125-1390-3902

A [REDACTED]

A [REDACTED]  
Ass. Dir., TSD/ [REDACTED]

26 SEP 1962

B8 Category V a.

Concur: [REDACTED]

APPROVED FOR OBLIGATION OF FUNDS: [REDACTED]

Date: 26 Sept.

Distribution:

Orig & 1 - Addressee

2 - TSD/ [REDACTED]

I CERTIFY THAT RPOs ARE AVAILABLE  
OBLIGATION REFERENCE NO. 540  
CHARGE TO ACCOUNT NO. 3125-1390-3902

A [REDACTED]

[REDACTED]


[illegible]


138-18

11 October 1961  
Date: \_\_\_\_\_

MEMORANDUM FOR: THE CONTROLLER  
ATTENTION : Finance Division  
SUBJECT : REGULA, Subproject <sup>138</sup>  
Authorization #1

Under the authority granted in the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject <sup>138</sup> has been approved, and \$18,614.00 of the over-all Project REGULA funds have been obligated to cover the subproject's expenses and should be charged to cost center <sup>2125-1330-5702</sup>.

 Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION  
OF FUNDS:  
 A  
Research Director

I CERTIFY THAT FUNDS ARE AVAILABLE:  
OBLIGATION RESERVE NO. 659  
CHARGE TO ALC. WENT NO. \_\_\_\_\_  
AUTHORIZING OFFICER

Date: <sup>13 OCT</sup> \_\_\_\_\_  
Distribution:  
Original & 2 - Addressee

198 19

12 October 1961

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA

TSD/Budget Officer

SUBJECT

MULTRA, Subproject No. 138, Invoice #1  
Allotment #2125-1390-3902

1. Invoice No. 1 in the amount of \$18,614.00 covering the above subproject is attached. It is requested that payment be made as follows:

B Cashier's check in the amount of \$17,898.00 payable to [redacted] drawn on [redacted]

B Cashier's check in the amount of \$716.00 payable to [redacted] drawn on [redacted]

2. The check should be forwarded to Chief, TSD/Research Branch, through TSD/Budget Officer, no later than 19 October 1961.

A [redacted]  
Chief  
TSD/Research Branch

Attached:  
Invoice & Certifications

Distribution:  
Orig & 2 - Addressee

1 - TSD/PASS  
2 - TSD/RB

I CERTIFY THAT FUNDS ARE AVAILABLE

OBIGATION NUMBER IS NO.

DATE TO ALLOTMENT

658  
2125-1390-3902

AUTHORIZING OFFICER

18 OCT 1961

138-19

**INVOICE**

For Services

\$18,614.00

**B**

**CERTIFICATIONS**

(1) It is hereby certified that this is Invoice 1 applying to Sub-project No. 138 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSD/RB, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSD/Research Branch

Date: \_\_\_\_\_

(2) It is hereby certified that this invoice applies to Subproject 138 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum of 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date: \_\_\_\_\_

138-19  
12 October 1961

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSD/Budget Officer

SUBJECT : MAULTA, Subproject No. 138, Invoice #1  
Allotment #2125-1390-3902

1. Invoice No. 1 in the amount of \$18,614.00 covering the above subproject is attached. It is requested that payment be made as follows:

B Cashier's check in the amount of \$17,898.00 payable to [redacted] drawn on a [redacted] E

B Cashier's check in the amount of \$716.00 payable to [redacted] drawn on a [redacted] E

2. The check should be forwarded to Chief, TSD/Research Branch, through TSD/Budget Officer, no later than 19 October 1961.

A [redacted]  
Chief  
TSD/Research Branch

Attached:  
Invoice & Certifications

Distributions:  
Orig & 2 - Addressee

CHECK # 273109 IN THE AMOUNT OF \$ 17,898.00  
RECEIVED. [redacted]

11/3/61  
CHECK # 273110 IN THE AMOUNT OF \$ 716.00  
RECEIVED. A [redacted]

138-861

# CONFIDENTIAL FUNDS POSTING VOUCHER

VOUCHER NO. 7-12		DATE 2-8		VOUCHER NO. 7-12						
DESCRIPTION-ALL OTHER ACCOUNTS 13-33		34-39	40-42	43-46	47-52	53	54-57	58-67	68-70	71-80
ADVANCE ACCOUNTS 13-27		STATION CODE	PERSON CODE	PER. LIO. CODE	REF. NO.	CA. LIO. NO.	GENERAL LEDGER ACCT. NO.	ALLOT. OR POST ACCT. NO.	58-67	71-80
		PROJECT NO.	PERSON CODE	PER. LIO. CODE	REF. NO.	CA. LIO. NO.	GENERAL LEDGER ACCT. NO.	ALLOT. OR POST ACCT. NO.	58-67	71-80
		PROJECT NO.	PERSON CODE	PER. LIO. CODE	REF. NO.	CA. LIO. NO.	GENERAL LEDGER ACCT. NO.	ALLOT. OR POST ACCT. NO.	58-67	71-80
138-861-1		88001	659	1010	25-1390-2902	252	18-614-10	17-899-00	216-00	
138-861-2										
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See attached

TOTALS

18-614-00 18-614-00

DATE	REVIEWED BY	CERTIFIED FOR PAYMENT OR CREDIT
30 Oct 11		SIGNATURE OF CERTIFYING OFFICER
	DATE	



138-90  
November 6, 1961

B [REDACTED]  
Gentlemen:

We are pleased to be able to transmit to you the following funds:

B Treasurer's Check No. 272109 drawn on [REDACTED] for \$17, 898.00 dated November 2, 1961.

B Treasurer's Check No. 272110 drawn on [REDACTED] for \$716.00 dated November 2, 1961.

These funds represent a contribution for the use of your directors in carrying out the very worthwhile research goals of your organization.

Yours truly,

Attachments (2)

138-21

11 October 1961

DATE: \_\_\_\_\_

MEMORANDUM FOR : THE COMPTROLLER  
ATTENTION : Finance Division 138  
SUBJECT : Authorization #1  
MULTRA, Subproject \_\_\_\_\_

Under the authority granted in the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 138 has been approved, and \$18,614.00 of the over-all Project MULTRA funds have been obligated to cover the 2125-1390-3902. subproject's expenses and should be charged to cost center \_\_\_\_\_

A \_\_\_\_\_  
Chief  
TED/Research Branch

APPROVED FOR OBLIGATION  
OF FUNDS:

\_\_\_\_\_  
Research Director

Date:

Distribution:  
Orig. & 2 - Addressee

138-22

11 October 1961

MEMORANDUM FOR: THE RECORD

SUBJECT : Project MKULTRA, Subproject 138

1. The purpose of this subproject is to support the work of

C [REDACTED] on [REDACTED] B  
B [REDACTED] is an accomplished innovator in many fields of  
C instrumentation and has made some fundamental contributions to various  
kinds of measuring devices. He will work under the direction of  
C [REDACTED] in this project.

2. As is indicated in the attached proposal, work will begin with an attempt to evaluate the possibility of altering the properties of the various interfaces (space-human tissue, etc.) involved in biological systems of interest in ways that will facilitate remote measurement by the use of various forms of incident radiant energy. Information made available in this study will be of interest in connection with the problem of body antennas, personnel tagging, polygraphy and other areas. It should be emphasized that this particular approach, as far as is known, has never been explored. For this reason it is not presently possible to go into great detail as to the exact experimental lines to be followed.

B 3. The [REDACTED] shall function as cover and cut-out for this project. As indicated in the attached proposal, the cost of the program for one year will be \$17,898.00. To this must be added \$716.00 which represents the service charge due the cut-out. The total cost of the project for one year will therefore not exceed \$18,614.00. Charges should be made against Allotment No. 2125-1390-3902.

[REDACTED]

4. It is not anticipated that any permanent equipment will be required in this project.

5. Documentation and accounting for travel expenses under this project which are reimbursable by [REDACTED] will conform to the accepted practices of [REDACTED] B

6. This project will operate on an unwitting basis. There are no cleared individuals beyond [REDACTED] B

A [REDACTED]  
Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS

[REDACTED] A  
Research Director

Date: 131961

Attachment: Proposal & Budget

Distribution: Original Only

## BUDGET

PERSONNEL \$11,500.00

Principal Investigator

Technical Assistant

Machinist

SUPPLIES AND MATERIALS 3,000.00

TRAVEL 600.00

COMMUNICATION AND SHIPPING 600.00

OVERHEAD at 14% 2,198.00

TOTAL \$17,898.00